

Spent Lime Effects on Potato – 2011

Treatment	Yield (Cwt./A)
10 ton + 95 lb P ₂ O ₅ /A	439.23
5 ton + 95 lb P ₂ O ₅ /A	435.60
10 ton lime	433.79
Check + 95 lb P ₂ O ₅ /A	432.88
20 ton lime	431.07
5 ton lime	422.90
Check	390.23
LSD (0.05)	24.55

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Cultural Practices

Planted: May 26, 2011

Variety: Red Norland (source Spokely Farms, Nielsville, MN)

Fungicides: Echo 5x starting July 22 for blight control

Harvested: September 16, 2011

Lime Applied: May 17, 2011 – 95 lb/A P₂O₅ applied May 25 on appropriate treatments

Incorporation: 2x with JD rototiller, multiweeder before planting

% Moisture Lime: 36.1 (Source, ACSC, Crookston, MN)

Design: RBD with four replications (four 36 inch rows set up with a one-row border between treatments).

Soil Test: NO₃-N-27 (0-24) (applied 120 lb/A N)
P – 11 ppm
K- 95 ppm
pH – 8.4

USDA quality lab data available upon request.